

WHAT IS CLAIMED IS:

1. A web printer comprising;
a buffer means for adjusting the traveling
position of a web under its slack status,
5 a tension assigning means for assigning fixed
tension to the web delivered from said buffer means,
a means for detecting the traveling position of
the web delivered from said tension assigning means,
a skew correction means for adjusting the skew of
10 said web according to the output from said detection
means, and

an image forming means that forms an image on the
web delivered from said skew correction means.

2. The web printer in Claim 1, wherein said image
15 forming means further includes;

a plurality of image forming portions arranged
along the web feed route, and

a heating unit that heats the image formed on the
web by said image forming portions.

3. The web printer in Claim 1, wherein said image
20 forming means further includes;

a plurality of image forming portions arranged on
both sides of the web surface along the web feed route,
and

25 a heating unit that heats the image formed on the

0927391.08100

web by said image forming portions.

4. The web printer in Claim 3, wherein said plurality of image forming portions provided on one side of the web surface and the plurality of image forming portions provided on the other side of the web surface are arranged at alternately different height levels.

5. A web printer comprising;
an image forming means that forms an image on a web,

a detection means provided upstream in the feed direction of the web with respect to said image forming means in order to detect at least either one of two factors, namely, the feed distance or feed rate of the web, whichever is the smaller,

an infeed means provided upstream in the feed direction of the web with respect to said detection means in order to control the feed distance of the web according to the output from said detection means so that the tension of the web is fixed, and

an outfeed means provided downstream in the feed direction of the web with respect to said image forming means in order to control the feed distance of the web according to the output from said detection means so that the tension of the web is fixed.

09527391-00180

6. A web printer comprising;
a buffer means for adjusting the traveling
position of a web under its slack status,
infeed rollers for holding from both sides, and
5 carrying, the web delivered from said buffer means,
a detection means for detecting the traveling
position of the web,
a skew correction means for adjusting the skew of
the web according to the output from said detection
10 means,
a dancer roller provided between said infeed
rollers and said skew correction means,
an infeed roller control means by which the travel
of the web fed by said infeed rollers is controlled
15 according to the particular position of said dancer
roller in order to obtain fixed web tension,
an image forming means provided at the after-stage
of said skew correction means in order to form an
image on the web,
20 a feed rate detection means for detecting the feed
rate of the web inducted in aid image forming means,
outfeed rollers provided at the after-stage of
said image forming means,
and an outfeed roller control means by which the
25 travel of the web fed by said outfeed rollers is

09927391.081301

controlled according to the particular position of
said feed rate detection means in order to obtain
fixed web tension.

7. A web printer comprising;

5 an image forming means that forms an image on a
web,

a detection means provided upstream in the feed
direction of the web with respect to said image
forming means in order to detect at least either one
10 of two factors, namely, the feed distance or feed rate
of the web, whichever is the smaller, and

an outfeed means provided downstream in the feed
direction of the web with respect to said image
forming means in order to control the feed distance of
15 the web according to the output from said detection
means so that the tension of the web is fixed.

8. A web printer comprising;

an image forming means that forms an image on a
web,

20 a detection means provided upstream in the feed
direction of the web with respect to said image
forming means in order to detect at least either one
of two factors, namely, the feed distance or feed rate
of the web, whichever is the smaller, and

25 an infeed means provided upstream in the feed

09927391 081301
FOET80-16E22660

B

10

15

20

ADD
B1